

Preparing to Use Globus

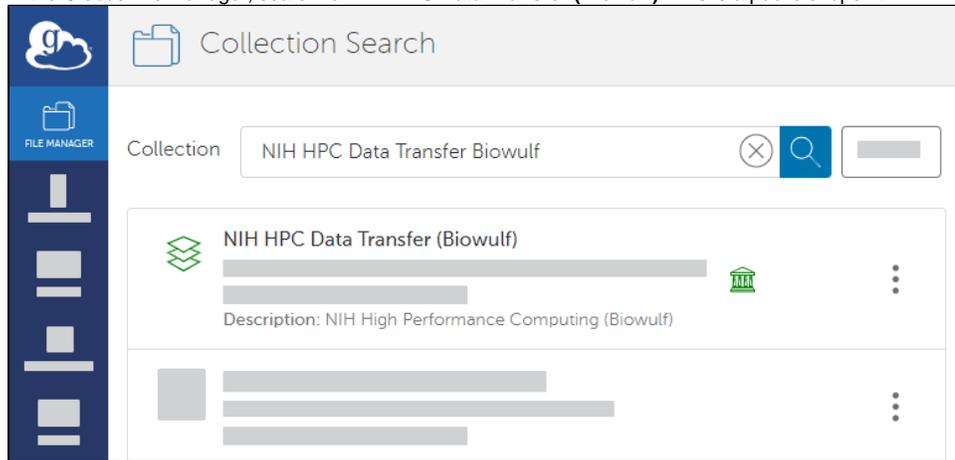
If you need to move a large volume of data, you can do so using a Globus endpoint. DME uses Globus for high performance transfer of large files. Endpoints represent locations on a file transfer service server, such as Biowulf or gridftp. In DME CLU or GUI, you can choose to use Globus for file transfer. A prerequisite is a guest collection.

For narrated slides demonstrating these instructions, refer to [prep-Globus-slides.pptx](#).

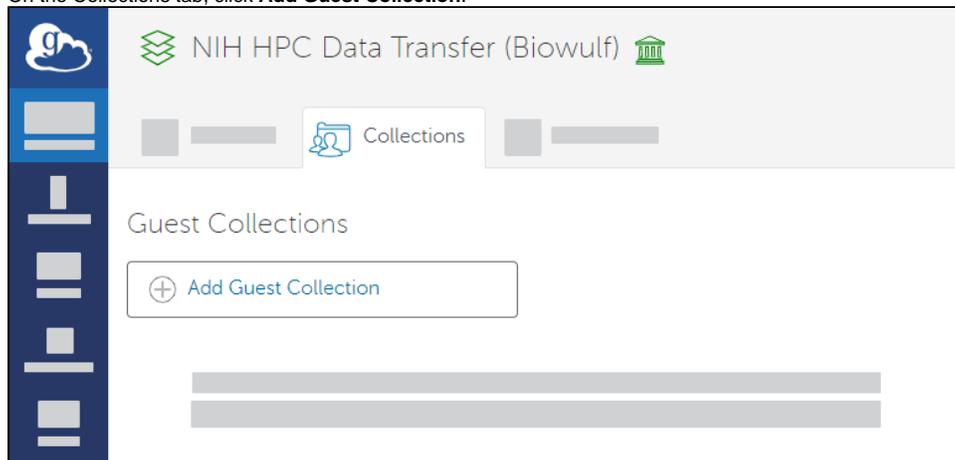
To prepare a Globus endpoint:

1. If you do not already have a shareable Globus endpoint, contact NCIDataVault@mail.nih.gov and request one.
2. Log into Globus at the following site:
<http://www.globus.org> 
Use your NIH user account credentials as described in the following page:
<https://docs.globus.org/how-to/get-started/> 
3. If you do not already have a guest collection in Globus, create one:

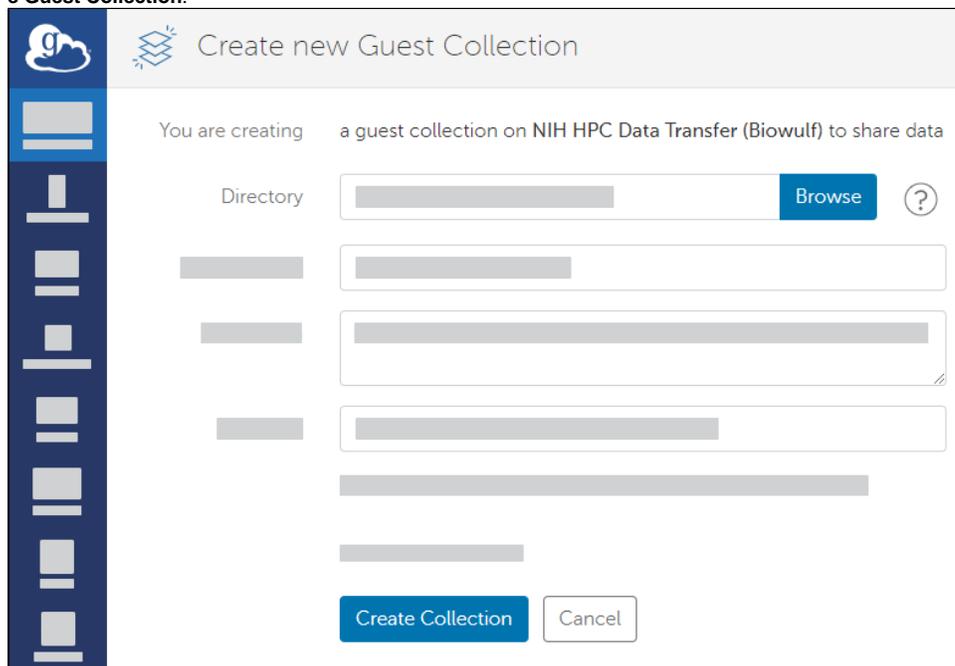
a. In the Globus File Manager, search for **NIH HPC Data Transfer (Biowulf)**. This is a public endpoint.



b. In the search results, in the row for NIH HPC Data Transfer (Biowulf), click the collection details icon (). The details page appears. On the Collections tab, click **Add Guest Collection**.

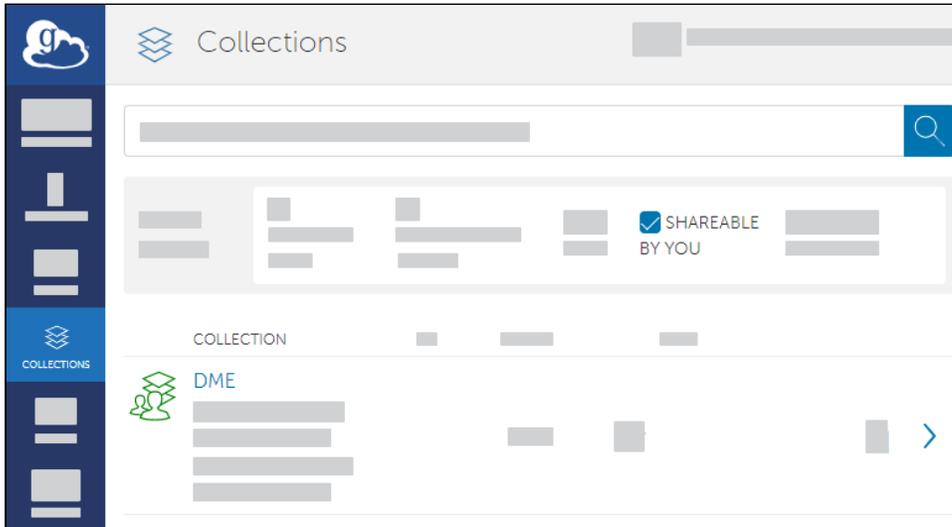


c. On the Create new guest collection page, browse to or specify the path to the directory where you want to save your data. Click **Create Guest Collection**.

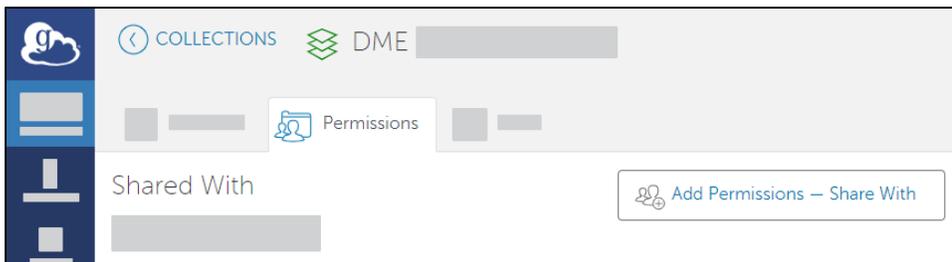


4. Share your Globus endpoint:

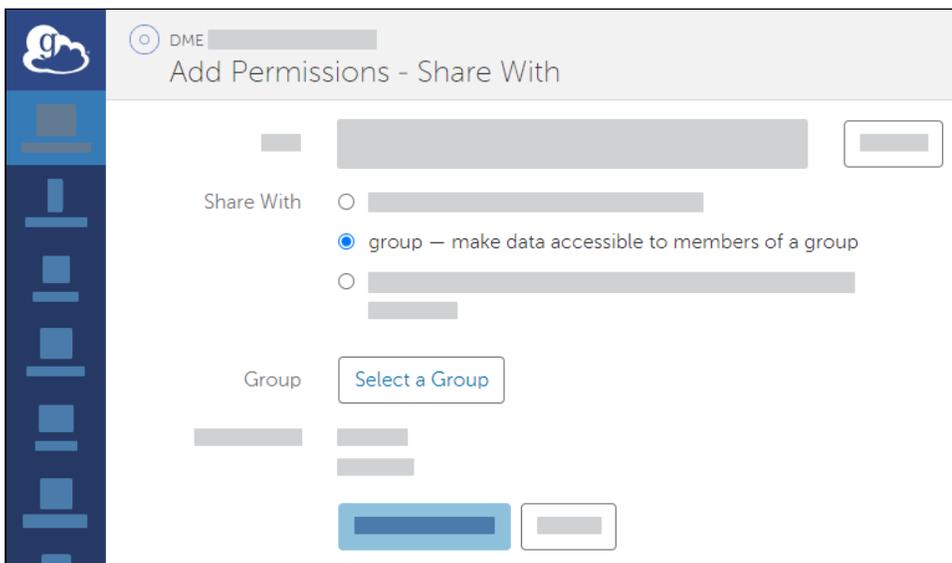
- a. In the Globus File Manager, navigate to the list of collections by opening the side bar, clicking **Collections**, and then clicking **Shareable by You**.



- b. Select your guest collection. Access the sharing configuration for that collection by clicking **Permissions**.

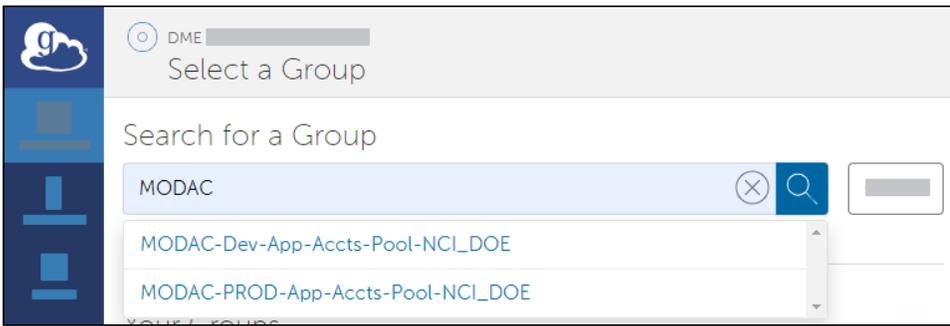


- c. Add permissions by clicking **Add Permissions - Share With**. In the **Share With** field, select the option to share with a group. Click **Select a Group**.

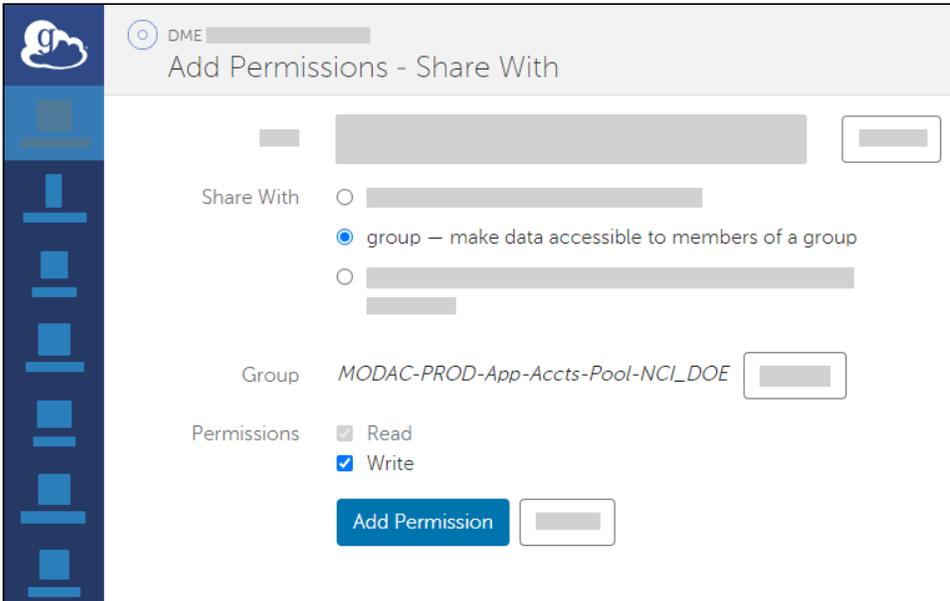


- d. Search all groups for "HPCDME-" and select the HPCDME-PROD-App-Accts-Pool-FNLGR group.

If you intend to use the UAT tier of DME, select the HPCDME-DEV-App-Accts-Pool-FNLGR group.



- e. Select the appropriate permission for the selected group: If you intend to download data from DME to the Globus endpoint, select the **writ** permission.



- f. Click **Add Permission**. The system adds the HPCDME Globus group to the list for the current share.

Now you can register or download data in the GUI as described in the following pages:

- [Registering from a Globus Endpoint via the GUI](#)
- [Downloading to a Globus Endpoint via the GUI](#)

To register or download data via CLU, refer to the additional prerequisites described in [Getting Started with DME CLU](#).